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On the geometry of demixing: A study of lipid phase separation on curved surfaces

Rinaldin, M.

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List of publications

In this thesis:

1. P. Fonda, **M. Rinaldin**, D. J. Kraft and L. Giomi, Thermodynamic equilibrium of binary mixtures on curved surfaces, *Phys. Rev. E* **2019**, 100, 032604 (Chapter 4).
2. **M. Rinaldin***, R. W. Verweij*, I. Chakraborty, D. J. Kraft, Colloidal supported lipid bilayers for self-assembly, *Soft Matter* **2019**, 15 (6), 1345-1360 (Chapter 2).
3. P. Fonda, **M. Rinaldin**, D. J. Kraft and L. Giomi, Interface geometry of binary mixtures on curved substrates, *Phys. Rev. E* **2018**, 98, 032801 (Chapter 4).
4. **M. Rinaldin***, P. Fonda*, L. Giomi and D. J. Kraft, Geometric pinning and antimixing in scaffolded lipid vesicles, *arXiv* **2018**, 1804.08596 (Chapter 3).
5. **M. Rinaldin**, P. Fonda, L. Giomi and D. J. Kraft, Geometric pinning in curved scaffolds connected to a reservoir, *in preparation* (Chapter 5).
6. **M. Rinaldin**, B. ten Haaf, J. Salaris, E. J. Vegter, C. van der Wel, L. Giomi and D. J. Kraft, Supported lipid bilayers on 3D micro-printed scaffolds and their applications, *in preparation* (Chapter 6).

Other:

1. W. Pomp, **M. Rinaldin** and T. Schmidt, Inducing phase separation in GUVs by light, *in preparation*.

* The authors contributed equally to the work.

About the author

Melissa Rinaldin

Born on 20 November 1990 in Vicenza (Italy)

09.04-06.09

High school

Classical lyceum Antonio Pigafetta, Vicenza, Italy

10.09-03.13

Bachelor of Science in Physics

University of Padua, Padua, Italy

Thesis: “Characterization of Cx26 M34T mutant by use of molecular dynamics”

Advisors: Prof. dr. F. Mammano and Dr. F. Zonta

10.13-10.15

Master of Science in Physics

University of Padua, Padua, Italy

Thesis: “Non-equilibrium fluctuations in giant unilamellar vesicles driven by light”, conducted at *Leiden University* in Leiden, The Netherlands, with an Erasmus fellowship
Advisors: Prof. dr. T. Schmidt and Dr. W. Pomp

10.15-11.19

PhD in Physics

Leiden University, Leiden, The Netherlands

Thesis: “On the geometry of demixing: A study of lipid phase separation on curved surfaces”

Advisors: Dr. D. J. Kraft and Dr. L. Giomi

01.20-

Postdoctoral researcher

Brandeis University, Boston, United States

Project: “Non-equilibrium pathways to liquid-liquid phase separation in vitro”

Advisors: Dr. G. Duclos and Dr. W. B. Rogers

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